

## WEST Search History

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DATE: Tuesday, February 20, 2007

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		<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>	
<input type="checkbox"/>	L1	bab	4801
<input type="checkbox"/>	L2	L1 and (helicobacter or pylori or pyloris or pyloridis or pylor or pylon or pylorum or hpylori or helicob\$)	66
<input type="checkbox"/>	L3	L2 and (antibod\$ or monoclonal or mab or moab or mo-ab or polyclonal or poly-clonal or mono-specific or monospecific or immunoglobulin or globulin or immune or igg or iga or igm or siga or s-iga)	61
<input type="checkbox"/>	L4	L3 and ay@>1997	61

END OF SEARCH HISTORY

3708118 0221972

C/BLOOD GROUP ANTIGEN BINDING PROTEIN AND CORRESPONDING AGENTS; NUCLEOTIDE SEQUENCES CODING ADHESIN FOR USE IN THE TREATMENT OF GASTROINTESTINAL DISORDERS AND PEPTIC ULCERS

Inventors: %Arnqvist Anna% (SE); %Boren Thomas% (SE); Ilver Dag (SE); %Normark Staffan% (SE)

Assignee: Unassigned Or Assigned To Individual

Assignee Code: 68000

(REASSIGNED - See file 123 for details)

Attorney, Agent or Firm: Birch, Stewart, Kolasch & Birch, LLP

	Publication Number	Kind Date	Application Number	Date
	US 6410719	B1 20020625	US 9821560	19980210
	(Cited in 001 later patents)			
Continuation of:	Pending		WO 97SE1009	19970610
Priority Applic:			SE 962287	19960610
			SE 971014	19970319
Provisional Applic:			US 60-41040	19970321
Calculated Expiration:	20170610			
Inventors:	%Arnqvist Anna%...			

...%Boren Thomas%...

...%Normark Staffan%

Abstract: ...adhesin protein was isolated and purified, whereby said protein or fractions thereof bind specifically to %Helicobacter% pylori fucosylated blood group %antibodies%. The protein sequence of said adhesin is disclosed in this application. Simultaneously the DNA sequences...

10727279 2004-0234529 2004-0064345

C/%HELICOBACTER% PYLORI ADHESIN BINDING GROUP ANTIGEN; %POLYCLONAL% AND, OR  
%MONOCLONAL% %ANTIBODIES%; %IMMUNIGLOBULIN% IMMUNIZATION

Inventors: %Arnqvist Anna% (SE); %Boren Thomas% (SE); %Hammarstrom Lennart%  
(SE); Ilver Dag (SE); %Normark Staffan% (SE)

Assignee: Unassigned Or Assigned To Individual

Assignee Code: 68000

Attorney, Agent or Firm: BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS  
CHURCH, VA, 22040-0747, US

	Publication Number	Kind	Date	Application Number	Date
	US 20040234529	A1	20041125	US 2004761201	20040122
Division of:	US. 6709656			US 99202178	19990210
Priority Applic:				SE 962287	19960610
				SE 971014	19970319

%HELICOBACTER% PYLORI ADHESIN BINDING GROUP ANTIGEN...

...%POLYCLONAL% AND, OR %MONOCLONAL% %ANTIBODIES%; %IMMUNIGLOBULIN%  
IMMUNIZATION

Inventors: %Arnqvist Anna%...

...%Boren Thomas%...

...%Hammarstrom Lennart%...

...%Normark Staffan%

09578326 PMID: 8383333

An in vitro adherence assay reveals that *Helicobacter pylori* exhibits cell lineage-specific tropism in the human gastric epithelium.

Falk P; Roth K A; Boren T; Westblom T U; Gordon J I; Normark S  
Department of Molecular Microbiology, Washington University School of Medicine, St. Louis, MO 63110.

Proceedings of the National Academy of Sciences of the United States of America (UNITED STATES) Mar 1 1993, 90 (5) p2035-9, ISSN 0027-8424--  
Print Journal Code: 7505876

Contract/Grant Number: DK33487; DK; NIDDK

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

An in vitro adherence assay reveals that *Helicobacter pylori* exhibits cell lineage-specific tropism in the human gastric epithelium.

Falk P; Roth K A; Boren T; Westblom T U; Gordon J I; Normark S

*Helicobacter pylori* is a microaerophilic bacterium found in the stomach of asymptomatic humans as well as...

...that this lineage coexpresses the adhesin receptor and major fucosylated histo-blood group antigens, that monoclonal antibodies specific for histo-blood group antigens H, B, and Leb block binding, and that the...

...fucose, also bound to the same cells that bound the bacteria. Furthermore, human colostrum secretory IgA inhibited adhesion in a metaperiodate- and alpha-L-fucosidase-sensitive but neuraminidase-independent fashion. The...

Descriptors: \*Adhesins, Bacterial; \*Gastric Mucosa--microbiology--MI; \**Helicobacter pylori*--pathogenicity--PY; Bacterial Adhesion; Bacterial Proteins--metabolism--ME; Epithelial Cells; Epithelium--microbiology--MI; Fluorescent Antibody Technique; Gastric Mucosa--cytology--CY; Glycoproteins--metabolism--ME; Humans; In Vitro; Receptors, Cell Surface--metabolism...

Chemical Name: Adhesins, Bacterial; Bacterial Proteins; Glycoproteins; Receptors, Cell Surface; adhesin, *helicobacter*

00270811

USE OF OLIGOSACCHARIDE GLYCOSIDES AS INHIBITORS OF BACTERIAL ADHERENCE  
UTILISATION DE GLYCOSIDES OLIGOSACCHARIDIQUES COMME INHIBITEURS DE  
L'ADHERENCE BACTERIENNE

Patent Applicant/Assignee:

NORMARK Jan Staffan,  
FALK Per,  
BOREN Thomas,

Inventor(s):

%NORMARK Jan Staffan%,  
FALK Per,  
%BOREN Thomas%,

Patent and Priority Information (Country, Number, Date):

Patent: WO 9418986 A1 19940901  
Application: WO 94IB23 19940225 (PCT/WO IB9400023)  
Priority Application: DK 22293 19930226; DK 76093 19930625

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AU BB BG BR BY CA CN CZ CZ DE DE DK DK FI FI GE HU JP KG KP KR KZ LK LV  
MD MG MN MW NO NZ PL RO RU SD SK SK TJ UA US UZ VN AT BE CH DE DK ES FR  
GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN ML MR NE SN TD TG

Publication Language: English

Fulltext Word Count: 13449

Inventor(s):

%NORMARK Jan Staffan%...

...%BOREN Thomas%

Fulltext Availability:

Detailed Description  
Claims

7603059

ISSN: 0009-9104

JOURNAL: CLINICAL AND EXPERIMENTAL IMMUNOLOGY , 1996

(TABLE OF CONTENTS RECORD)

(The Complete Table of Contents now Available in Format 19)

...P. 202-204. %HELICOBACTER% PYLORI INFECTIONS IN %IGA% DEFICIENCY -  
LACK OF ROLE FOR THE SECRETORY IMMUNE SYSTEM. BOGSTEDT AK; NAVA S;  
WADSTROM T; %HAMMARSTROM L. % HUDDINGE UNIV HOSP,DIV CLIN  
IMMUNOL,IMPI/S-14186 HUDDINGE//SWEDEN/ (Reprint); LUND UNIV...

0005885539 \*\*IMAGE Available

Derwent Accession: 1998-052240

%Helicobacter% pylori adhesin binding group antigen

Inventor: %Boren, Thomas%, INV

%Arnvist, Anna%, INV

%Hammarstrom, Lennart%, INV

%Normark, Staffan%, INV

Ilver, Dag, INV

Correspondence Address: BIRCH STEWART KOLASCH & BIRCH, PO BOX 747, FALLS

CHURCH, VA, 22040-0747, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20040234529	A1	20041125	US 2004761201	20040122
Division	US 6709656			US 99202178	19990210
PCT	WO 97SE1009		19970610		
Priority				SE 962287	19960610
				SE 971014	19970319

Fulltext Word Count: 11480

%Helicobacter% pylori adhesin binding group antigen

Inventor: %Boren, Thomas%...

...%Arnvist, Anna%...

...%Hammarstrom, Lennart%...

...%Normark, Staffan%

Abstract:

A novel %Helicobacter% pylori blood group antigen binding (BAB) adhesin protein was isolated and purified, whereby said protein...

5580750 \*\*IMAGE Available  
Derwent Accession: 1998-052240  
Utility

C/ %Helicobacter% pylori adhesin binding group antigen

Inventor: %Boren, Thomas%, Torelvagen 68 S-906 28, Umea, SE

%Arnqvist, Anna%, O. Brinkvagen 55 S-903, 21 Umea, SE

%Hammarstrom, Lennart%, Avd. for Klinisk Immunologi Huddinge  
Sjukhus S-141, 86 Huddinge, SE

%Normark, Staffan%, Vallhallavagen 126 S-1141, 41 Stockholm, SE

Ilver, Dag, Bankgatan 18 S-902, 35 Umea, SE

Assignee: Unassigned

Unassigned Or Assigned To Individual (Code: 68000)

Examiner: Smith, Lynette R. F. (Art Unit: 165)

Assistant Examiner: Portner, Ginny Allen

Law Firm: Birch, Stewart, Kolasch & Birch, LLP

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6709656	A	20040323	US 99202178	19990210
PCT	WO 9747646		19971218	WO 97SE1009	19970610
		371:			
		102e:			
Priority				SE 962287	19960610
				SE 971014	19970319

Fulltext Word Count: 9027

%Helicobacter% pylori adhesin binding group antigen

Inventor: %Boren, Thomas%...

...%Arnqvist, Anna%...

...%Hammarstrom, Lennart%...

...%Normark, Staffan%

Abstract:

...adhesin protein was isolated and purified, whereby said protein or fractions thereof bind specifically to %Helicobacter% pylori fucosylated blood group %antibodies%. Said adhesin has a molecular weight of about 73.5 kDa and the N-terminal...



4704307 \*\*IMAGE Available  
Derwent Accession: 1998-052240  
Utility  
REASSIGNED

C/ Blood group antigen binding protein and corresponding agents  
; NUCLEOTIDE SEQUENCES CODING ADHESIN FOR USE IN THE TREATMENT OF  
GASTROINTESTINAL DISORDERS AND PEPTIC ULCERS  
Inventor: %Boren, Thomas%, Torelv.ang.gen 68, S-906 28 Ume.ang., SE  
%Arnqvist, Anna%, Ume.ang., SE  
%Normark, Staffan%, Stockholm, SE  
Ilver, Dag, Ume.ang., SE  
Assignee: Boren, Thomas(05), Umea, SE  
Unassigned Or Assigned To Individual (Code: 68000)  
Examiner: Smith, Lynette R. F. (Art Unit: 165)  
Assistant Examiner: Portner, Ginny Allen  
Law Firm: Birch, Stewart, Kolasch & Birch, LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6410719	A	20020625	US 9821560	19980210
Continuation	Pending			WO 97SE1009	19970610
Priority				SE 962287	19960610
				SE 971014	19970319

Fulltext Word Count: 4725

Inventor: %Boren, Thomas%...

...%Arnqvist, Anna%...

...%Normark, Staffan%

Abstract:

...adhesin protein was isolated and purified, whereby said protein or fractions thereof bind specifically to %Helicobacter% pylori fucosylated blood group %antibodies%. The protein sequence of said adhesin is disclosed in this application. Simultaneously the DNA sequences...

Connecting via Winsock to Dialog

Logging in to Dialog

Trying 31060000009998...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

\*\*\*\*\*

ENTER PASSWORD:

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Welcome to DIALOG

Dialog level 05.16.01D

Last logoff: 16feb07 19:30:18

Logon file405 20feb07 13:59:13

\*\*\* ANNOUNCEMENTS \*\*\*

\*\*\*

NEW FILES RELEASED

\*\*\*Engineering Index Backfile (File 988)

\*\*\*EMCare (File 45)

\*\*\*Trademarkscan - South Korea (File 655)

RESUMED UPDATING

\*\*\*File 141, Reader's Guide Abstracts

\*\*\*

RELOADS COMPLETED

\*\*\*Files 340, 341 & 942, CLAIMS/U.S. Patents - 2006 reload now online

\*\*\*Files 173 & 973, Adis Clinical Trials Insight

\*\*\*

DATABASES REMOVED

Chemical Structure Searching now available in Prous Science Drug Data Report (F452), Prous Science Drugs of the Future (F453), IMS R&D Focus (F445/955), Pharmaprojects (F128/928), Beilstein Facts (F390), Derwent Chemistry Resource (F355) and Index Chemicus (File 302).

\*\*\*

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>>><http://www.dialog.com/whatsnew/>. You can find news about<<<

>>>a specific database by entering HELP NEWS <file number>.<<<

\* \* \*

SYSTEM:HOME

Cost is in DialUnits

Menu System II: D2 version 1.8.0 term=ASCII

\*\*\* DIALOG HOMEBASE(SM) Main Menu \*\*\*

Information:

1. Announcements (new files, reloads, etc.)
2. Database, Rates, & Command Descriptions
3. Help in Choosing Databases for Your Topic
4. Customer Services (telephone assistance, training, seminars, etc.)
5. Product Descriptions

Connections:

6. DIALOG(R) Document Delivery
7. Data Star(R)

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/H = Help

/L = Logoff

/NOMENU = Command Mode

Enter an option number to view information or to connect to an online service. Enter a BEGIN command plus a file number to search a database (e.g., B1 for ERIC).  
? b 410

```
20feb07 13:59:13 User228206 Session D2675.1
$0.00      0.247 DialUnits FileHomeBase
$0.00 Estimated cost FileHomeBase
$0.00 Estimated cost this search
$0.00 Estimated total session cost  0.247 DialUnits
```

File 410:Dialog Comm.-of-Interest Newsletters 2006 /Dec  
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Set	Items	Description
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? set hi ;set hi
HIGHLIGHT set on as ''
HIGHLIGHT set on as ''
? b 411
```

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20feb07 13:59:20 User228206 Session D2675.2
$0.00      0.115 DialUnits File410
$0.00 Estimated cost File410
$0.02 TELNET
$0.02 Estimated cost this search
$0.02 Estimated total session cost  0.362 DialUnits
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File 411:DIALINDEX(R)

DIALINDEX(R)  
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\*\*\* DIALINDEX search results display in an abbreviated \*\*\*  
\*\*\* format unless you enter the SET DETAIL ON command. \*\*\*  
? sf allscience

You have 297 files in your file list.  
(To see banners, use SHOW FILES command)

? s (au=boren ? or au=arnqvist ? or au=hammarstrom ? or au=normark ? or au=dag ?)  
and helicobacter?

Your SELECT statement is:

s (au=boren ? or au=arnqvist ? or au=hammarstrom ? or au=normark ? or  
au=dag ?) and helicobacter?

Items	File
91	5: Biosis Previews(R)_1969-2007/Feb W2
76	34: SciSearch(R) Cited Ref Sci_1990-2007/Feb W2
11	45: EMCare_2007/Feb W2
2	53: FOODLINE(R): Science_1972-2007/Feb 20
43	71: ELSEVIER BIOBASE_1994-2007/Feb W3
58	73: EMBASE_1974-2007/Feb 20
Examined 50 files	
25	144: Pascal_1973-2007/Feb W2
55	155: MEDLINE(R)_1950-2007/Feb 16
2	156: ToxFile_1965-2006/Nov W1
1	172: EMBASE Alert_2007/Feb 20
Examined 100 files	
2	292: GEOBASE(TM)_1980-2007/Feb W2
Examined 150 files	
1	331: Derwent WPI First View UD=200712
5	340: CLAIMS(R)/US Patent_1950-07/Feb 15
3	342: Derwent Patents Citation Indx_1978-07/200710
3	345: Inpadoc/Fam.& Legal Stat_1968-2007/UD=200707

3 348: EUROPEAN PATENTS\_1978-2007/ 200707  
 6 349: PCT FULLTEXT\_1979-2007/UB=20070215UT=20070208  
 2 357: Derwent Biotech Res.\_1982-2007/Feb W2  
 157 440: Current Contents Search(R)\_1990-2007/Feb 19  
 Examined 200 files  
 Examined 250 files  
 5 654: US Pat.Full.\_1976-2007/Feb 15

20 files have one or more items; file list includes 297 files.  
 One or more terms were invalid in 142 files.

? save temp

Temp SearchSave "TB379681874" stored

? rf

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Ref	Items	File
N1	157	440: Current Contents Search(R)_1990-2007/Feb 19
N2	91	5: Biosis Previews(R)_1969-2007/Feb W2
N3	76	34: SciSearch(R) Cited Ref Sci_1990-2007/Feb W2
N4	58	73: EMBASE_1974-2007/Feb 20
N5	55	155: MEDLINE(R)_1950-2007/Feb 16
N6	43	71: ELSEVIER BIOBASE_1994-2007/Feb W3
N7	25	144: Pascal_1973-2007/Feb W2
N8	11	45: EMCare_2007/Feb W2
N9	6	349: PCT FULLTEXT_1979-2007/UB=20070215UT=20070208
N10	5	340: CLAIMS(R)/US Patent_1950-07/Feb 15

20 files have one or more items; file list includes 297 files.

- Enter P or PAGE for more -

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Ref	Items	File
N11	5	654: US Pat.Full._1976-2007/Feb 15
N12	3	342: Derwent Patents Citation Indx_1978-07/200710
N13	3	345: Inpadoc/Fam.& Legal Stat_1968-2007/UD=200707
N14	3	348: EUROPEAN PATENTS_1978-2007/ 200707
N15	2	53: FOODLINE(R): Science_1972-2007/Feb 20
N16	2	156: ToxFile_1965-2006/Nov W1
N17	2	292: GEOBASE(TM)_1980-2007/Feb W2
N18	2	357: Derwent Biotech Res._1982-2007/Feb W2
N19	1	172: EMBASE Alert_2007/Feb 20
N20	1	331: Derwent WPI First View UD=200712

20 files have one or more items; file list includes 297 files.

- Enter P or PAGE for more -

? b n5 n9 n1:n4 n6:n8 n10:n20;exs

20feb07 14:01:04 User228206 Session D2675.3

\$7.34 2.498 DialUnits File411

\$7.34 Estimated cost File411

\$0.53 TELNET

\$7.87 Estimated cost this search

\$7.89 Estimated total session cost 2.859 DialUnits

SYSTEM:OS - DIALOG OneSearch

File 155:MEDLINE(R) 1950-2007/Feb 16

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\*File 155: MEDLINE has resumed updating with UD20061209. Please see HELP NEWS 154 for details.

File 349:PCT FULLTEXT 1979-2007/UB=20070215UT=20070208.

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\*File 349: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.

File 440:Current Contents Search(R) 1990-2007/Feb 19  
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File 5:Biosis Previews(R) 1969-2007/Feb W2  
(c) 2007 The Thomson Corporation

\*File 5: In preparation for coming enhancements, accession numbers will change soon. See HELP NEWS 5 for details.

File 34:SciSearch(R) Cited Ref Sci 1990-2007/Feb W2  
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File 73:EMBASE 1974-2007/Feb 20  
(c) 2007 Elsevier B.V.

File 71:ELSEVIER BIOBASE 1994-2007/Feb W3  
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File 144:Pascal 1973-2007/Feb W2  
(c) 2007 INIST/CNRS

File 45:EMCare 2007/Feb W2  
(c) 2007 Elsevier B.V.

File 340:CLAIMS(R)/US Patent 1950-07/Feb 15  
(c) 2007 IFI/CLAIMS(R)

\*File 340: The 2006 reload is online as of December 1, 2006. IPCR/8 is available.

File 654:US Pat.Full. 1976-2007/Feb 15  
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\*File 654: IPCR/8 classification codes now searchable in 2006 records. For information about IC= index changes, see HELP NEWSIPCR.

File 342:Derwent Patents Citation Indx 1978-07/200710  
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File 345:Inpadoc/Fam.& Legal Stat 1968-2007/UD=200707  
(c) 2007 EPO

File 348:EUROPEAN PATENTS 1978-2007/ 200707  
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\*File 348: For important information about IPCR/8 and forthcoming changes to the IC= index, see HELP NEWSIPCR.

File 53:FOODLINE(R): Science 1972-2007/Feb 20  
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File 156:ToxFile 1965-2006/Nov W1  
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\*File 156: ToxFile has stopped updating with MEDLINE records. Please see HELP NEWS 154 for details.

File 292:GEOBASE(TM) 1980-2007/Feb W2  
(c) 2007 Elsevier B.V.

File 357:Derwent Biotech Res. \_1982-2007/Feb W2  
(c) 2007 The Thomson Corp.

File 172:EMBASE Alert 2007/Feb 20  
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File 331:Derwent WPI First View UD=200712 (c) 2007 The Thomson Corp.

\*File 331: For patent family information, search also File 351, 352, or 350.

Set	Items	Description
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Executing TB379681874		
HILIGHT set on as '%'		
	2662	AU=BOREN ?
	1657	AU=ARNQVIST ?
	6165	AU=HAMMARSTROM ?
	2320	AU=NORMARK ?
	947	AU=DAG ?
	193834	HELICOBACTER?
S1	551	(AU=BOREN ? OR AU=ARNQVIST ? OR AU=HAMMARSTROM ? OR AU=NORMARK ? OR AU=DAG ?) AND HELICOBACTER?

? rd

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>>>Duplicate detection is not supported for File 340.

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>>>Duplicate detection is not supported for File 342.

>>>Duplicate detection is not supported for File 345.

>>>Duplicate detection is not supported for File 348.

>>>Duplicate detection is not supported for File 331.

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>>>Record 440:11021398 incomplete bibliographic data - record retained in RD set
>>>Record 440:10974893 incomplete bibliographic data - record retained in RD set
>>>Record 440:10892381 incomplete bibliographic data - record retained in RD set
>>>Record 440:10862746 incomplete bibliographic data - record retained in RD set
>>>Record 440:10566942 incomplete bibliographic data - record retained in RD set
>>>Record 440:10424467 incomplete bibliographic data - record retained in RD set
>>>Record 440:10254848 incomplete bibliographic data - record retained in RD set
>>>Record 440:10013108 incomplete bibliographic data - record retained in RD set
>>>Record 440:9815225 incomplete bibliographic data - record retained in RD set
>>>Record 440:9608431 incomplete bibliographic data - record retained in RD set
>>>Record 440:9415978 incomplete bibliographic data - record retained in RD set
>>>Record 440:9314124 incomplete bibliographic data - record retained in RD set
>>>Record 440:9245803 incomplete bibliographic data - record retained in RD set
>>>Record 440:9168727 incomplete bibliographic data - record retained in RD set
>>>Record 440:9119911 incomplete bibliographic data - record retained in RD set
>>>Record 440:9061222 incomplete bibliographic data - record retained in RD set
>>>Record 440:8858612 incomplete bibliographic data - record retained in RD set
>>>Record 440:8141401 incomplete bibliographic data - record retained in RD set
>>>Record 440:8013195 incomplete bibliographic data - record retained in RD set
>>>Record 440:7603059 incomplete bibliographic data - record retained in RD set
>>>Record 440:7302010 incomplete bibliographic data - record retained in RD set
>>>Record 440:7219014 incomplete bibliographic data - record retained in RD set
>>>Record 440:6779935 incomplete bibliographic data - record retained in RD set
>>>Record 440:6768914 incomplete bibliographic data - record retained in RD set
>>>Record 440:6035611 incomplete bibliographic data - record retained in RD set
>>>Record 440:5784510 incomplete bibliographic data - record retained in RD set
>>>Record 440:5386147 incomplete bibliographic data - record retained in RD set
>>>Record 440:5270163 incomplete bibliographic data - record retained in RD set
>>>Record 440:5082116 incomplete bibliographic data - record retained in RD set
>>>Record 440:5060627 incomplete bibliographic data - record retained in RD set
>>>Record 440:5014207 incomplete bibliographic data - record retained in RD set
>>>Record 440:4805358 incomplete bibliographic data - record retained in RD set
>>>Record 440:4511913 incomplete bibliographic data - record retained in RD set
>>>Record 440:4380392 incomplete bibliographic data - record retained in RD set
>>>Record 440:4334317 incomplete bibliographic data - record retained in RD set
>>>Record 440:2131038 incomplete bibliographic data - record retained in RD set

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S2 259 RD (unique items)

? s s2/1997:2007

<-----User Break----->

u!

? s s2 and (antibod? or immuno? or globulin? or antiser? or igg or igm or iga or siga or monoclonal? or monospecific? or polyclonal?)

>>>File 155 processing for IMMUNO? stopped at IMMUNOELEKTROFOREZY

>>>File 349 processing for ANTIBOD? stopped at ANTIBODYRECOGNIZES

>>>File 349 processing for IMMUNO? stopped at IMMUNOCOMPROMISEED

>>>File 440 processing for IMMUNO? stopped at IMMUNOGLOBULINIS

>>>File 5 processing for IMMUNO? stopped at IMMUNOEVASIN

```

>>>File 34 processing for IMMUNO? stopped at IMMUNOGERONTOLOGICAL
Processing
>>>File 73 processing for IMMUNO? stopped at IMMUNOELECTROPHESIS
>>>File 71 processing for IMMUNO? stopped at IMMUNOPRECIPITATION
>>>File 144 processing for IMMUNO? stopped at IMMUNOEXPRESSED
Processed 10 of 20 files ...
>>>File 654 processing for IMMUNO? stopped at IMMUNOELECTROSMOPRECIPITATIO
N
Processing
>>>File 348 processing for IMMUNO? stopped at IMMUNOHISTOCHEMISTRY
>>>File 156 processing for IMMUNO? stopped at IMMUNORESISTANCE
Processed 20 of 20 files ...
Completed processing all files
      259 S2
      3851811 ANTIBOD?
      3907932 IMMUNO?
      404562 GLOBULIN?
      340372 ANTISER?
      556649 IGG
      256339 IGM
      208953 IGA
      7482 SIGA
      1291047 MONOCLONAL?
      36002 MONOSPECIFIC?
      347587 POLYCLONAL?
S3      107 S2 AND (ANTIBOD? OR IMMUNO? OR GLOBULIN? OR ANTISER? OR
      IGG OR IGM OR IGA OR SIGA OR MONOCLONAL? OR MONOSPECIFIC?
      OR POLYCLONAL?)
? t s3/3,kwic/all

```

3/3,KWIC/1 (Item 1 from file: 155)  
 DIALOG(R) File 155:MEDLINE(R)  
 (c) format only 2007 Dialog. All rts. reserv.

22764413 PMID: 17157077  
 %Helicobacter% pylori BabA expression, gastric mucosal injury, and  
 clinical outcome.  
 Fujimoto Saori; Olaniyi Ojo Olabisi; %Arnqvist Anna%; Wu Jeng Yih;  
 Odenbreit Stefan; Haas Rainer; Graham David Y; Yamaoka Yoshio  
 Department of Medicine, Michael E. DeBakey Veterans Affairs Medical  
 Center and Baylor College of Medicine, Houston, Texas 77030, USA.  
 Clinical gastroenterology and hepatology - the official clinical practice  
 journal of the American Gastroenterological Association (United States)  
 Jan 2007, 5 (1) p49-58, ISSN 1542-7714--Electronic Journal Code:  
 101160775  
 Contract/Grant No.: DK56338; DK; NIDDK; R01 DK62813; DK; NIDDK  
 Publishing Model Print-Electronic  
 Document type: Journal Article; Research Support, N.I.H., Extramural;  
 Research Support, Non-U.S. Gov't; Research Support, U.S. Gov't, Non-P.H.S.  
 Languages: ENGLISH  
 Main Citation Owner: NLM  
 Record type: In Process

%Helicobacter% pylori BabA expression, gastric mucosal injury, and  
 clinical outcome.  
 Fujimoto Saori; Olaniyi Ojo Olabisi; %Arnqvist Anna%; Wu Jeng Yih;  
 Odenbreit Stefan; Haas Rainer; Graham David Y; Yamaoka Yoshio  
 ... We compared the ability of published PCR-based methods to assess BabA  
 status with BabA %immunoblotting% and Lewis b (Le(b)) binding activity  
 assays. We also used %immunoblotting% to examine the relationship between  
 clinical presentation and levels of BabA expression. RESULTS:  
 %Immunoblotting% and Le(b) binding assays for 80 strains revealed 3 levels  
 of BabA expression: BabA...



3/3,KWIC/2 (Item 2 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2007 Dialog. All rts. reserv.

20886989 PMID: 16322107

%Helicobacter% pylori outer membrane proteins and gastroduodenal disease.  
Yamaoka Y; Ojo O; Fujimoto S; Odenbreit S; Haas R; Gutierrez O;  
El-Zimaity H M T; Reddy R; %Arnqvist A%; Graham D Y

Department of Medicine, Michael E DeBakey Veterans Affairs Medical Center  
(111D), Houston, TX 77030, USA. yyamaoka@bcm.tmc.edu

Gut (England) Jun 2006, 55 (6) p775-81, ISSN 0017-5749--Print  
Journal Code: 2985108R

Contract/Grant No.: DK56338; DK; NIDDK; R01 DK62813; DK; NIDDK

Publishing Model Print-Electronic

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

%Helicobacter% pylori outer membrane proteins and gastroduodenal disease.  
...Fujimoto S; Odenbreit S; Haas R; Gutierrez O; El-Zimaity H M T; Reddy  
R; %Arnqvist A%; Graham D Y

BACKGROUND AND AIMS: A number of %Helicobacter% pylori outer membrane  
proteins (OMPs) undergo phase variations. This study examined the relation  
between OMP...

... outcome. METHODS: Expression of H pylori BabA, BabB, SabA, and OipA  
proteins was determined by %immunoblot%. Multiple regression analysis was  
performed to determine the relation among OMP expression, clinical outcome,  
and...

Descriptors: \*Bacterial Outer Membrane Proteins--metabolism--ME;  
\*Gastrointestinal Diseases--microbiology--MI; \*%Helicobacter% Infections  
--complications--CO; \*%Helicobacter% pylori--metabolism--ME...; Biopsy;  
Duodenal Ulcer--microbiology--MI; Gastric Mucosa--pathology--PA; Gastritis  
--microbiology--MI; Genes, Bacterial; Genotype; %Helicobacter% Infections  
--microbiology--MI; %Helicobacter% pylori--genetics--GE; %Helicobacter%  
pylori--pathogenicity--PY; Humans; Hydrogen-Ion Concentration; Linear  
Models; Middle Aged; Phenotype; Research Support, N...

3/3,KWIC/3 (Item 3 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2007 Dialog. All rts. reserv.

20017773 PMID: 16118287

Carbohydrate-dependent inhibition of %Helicobacter% pylori colonization  
using porcine milk.

Gustafsson Anki; Hultberg Anna; Sjostrom Rolf; Kacskovics Imre; Breimer  
Michael E; %Boren Thomas%; %Hammarstrom Lennart%; Holgersson Jan

Department of Surgery, Sahlgrenska University Hospital, S-413 45  
Goteborg, Sweden. anki.gustafsson@clinchem.gu.se

Glycobiology (England) Jan 2006, 16 (1) p1-10, ISSN 0959-6658--  
Print Journal Code: 9104124

Publishing Model Print-Electronic

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Carbohydrate-dependent inhibition of %Helicobacter% pylori colonization  
using porcine milk.

Gustafsson Anki; Hultberg Anna; Sjostrom Rolf; Kacskovics Imre; Breimer  
Michael E; %Boren Thomas%; %Hammarstrom Lennart%; Holgersson Jan

...the drawbacks of many antibiotics. In a previous study, we showed that  
pigs express the %Helicobacter% pylori receptors, sialyl Lewis x (Le x) and  
Le b, on various milk proteins. Here...

... and colonization. Milk proteins from three different pig breeds were analysed by western blotting using %antibodies% with known carbohydrate specificity. An adhesion assay was used to investigate the capacity of pig

Descriptors: \*Bacterial Adhesion--drug effects--DE; \*Carbohydrates--chemistry--CH; \*%Helicobacter% pylori--growth and development--GD; \*Lewis Blood-Group System--pharmacology--PD; \*Milk--chemistry--CH; \*Milk...; Animals; Bacterial Adhesion--physiology--PH; Carbohydrates--genetics--GE; Fucosyltransferases--genetics--GE; Fucosyltransferases--metabolism--ME; %Helicobacter% Infections--genetics--GE; %Helicobacter% Infections--metabolism--ME; Lewis Blood-Group System--genetics--GE; Lewis Blood-Group System--metabolism--ME...

3/3,KWIC/4 (Item 4 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2007 Dialog. All rts. reserv.

19413310 PMID: 16178657

Measurements of the binding force between the %Helicobacter% pylori adhesin BabA and the Lewis b blood group antigen using optical tweezers.

Bjornham Oscar; Fallman Erik; Axner Ove; Ohlsson Jorgen; Nilsson Ulf J; %Boren Thomas%; Schedin Staffan

Umea University, Department of Applied Physics and Electronics, SE-901 87 Umea, Sweden.

Journal of biomedical optics (United States) Jul-Aug 2005, 10 (4) p44024, ISSN 1083-3668--Print Journal Code: 9605853

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Measurements of the binding force between the %Helicobacter% pylori adhesin BabA and the Lewis b blood group antigen using optical tweezers.

Bjornham Oscar; Fallman Erik; Axner Ove; Ohlsson Jorgen; Nilsson Ulf J; %Boren Thomas%; Schedin Staffan

%Helicobacter% pylori is a world-wide spread bacterium that causes persistent infections and chronic inflammations that...

Descriptors: \*Adhesins, Bacterial--chemistry--CH; \*Antigen-%Antibody% Complex--analysis--AN; \*Antigen-%Antibody% Complex--chemistry--CH; \*Lasers; \*Lewis Blood-Group System--chemistry--CH; \*Micromanipulation--methods--MT

Chemical Name: Adhesins, Bacterial; Antigen-%Antibody% Complex; BabA protein, %Helicobacter% pylori; Lewis Blood-Group System

3/3,KWIC/5 (Item 5 from file: 155)  
DIALOG(R) File 155:MEDLINE(R)  
(c) format only 2007 Dialog. All rts. reserv.

15593686 PMID: 16133831

Carbohydrate phenotyping of human and animal milk glycoproteins.

Gustafsson Anki; Kacskovics Imre; Breimer Michael E; %Hammarstrom Lennart%; Holgersson Jan

Department of Clinical Chemistry, Sahlgrenska University Hospital, Goteborg, Sweden. anki.gustafsson@clinchem.gu.se

Glycoconjugate Journal (United States) Mar 2005, 22 (3) p109-18, ISSN 0282-0080--Print Journal Code: 8603310

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Gustafsson Anki; Kacs Kovics Imre; Breimer Michael E; %Hammarstrom Lennart%; Holgersson Jan

... epitopes on milk proteins were analysed by Western blotting using different lectins and carbohydrate-specific %antibodies%. We show that ABH, Lewis (Le)x, sialyl-Lex, Lea, sialyl-Lea and Leb carbohydrate...

... dromedary and rabbit milk proteins carry H type 2 epitopes. These epitopes are receptors for %Helicobacter% pylori (Leb and sialyl-Lex), enteropathogenic (H type 1, Lea and Lex) and enterotoxigenic Escherichia...

3/3,KWIC/6 (Item 6 from file: 155)  
DIALOG(R)File 155:MEDLINE(R)  
(c) format only 2007 Dialog. All rts. reserv.

15322882 PMID: 15697247

Highly glycosylated human salivary molecules present oligosaccharides that mediate adhesion of leukocytes and %Helicobacter% pylori.

Prakobphol Akraporn; %Boren Thomas%; Ma Wenge; Zhixiang Peng; Fisher Susan J

Departments of Stomatology, University of California, San Francisco, California 94143, USA.

Biochemistry (United States) Feb 15 2005, 44 (6) p2216-24, ISSN 0006-2960--Print Journal Code: 0370623

Contract/Grant No.: R37 DE07244; DE; NIDCR; U01 HD42283; HD; NICHD

Publishing Model Print

Document type: Journal Article

Languages: ENGLISH

Main Citation Owner: NLM

Record type: MEDLINE; Completed

Highly glycosylated human salivary molecules present oligosaccharides that mediate adhesion of leukocytes and %Helicobacter% pylori.

Prakobphol Akraporn; %Boren Thomas%; Ma Wenge; Zhixiang Peng; Fisher Susan J

... structures, including many species with highly charged and/or fucosylated termini.

ANSWER 1 OF 4 USPATFULL on STN

AN 2006:95183 USPATFULL  
 TI Enzymatic substrate, synthesis method and uses  
 IN Armstrong, Lyle, Northumberland, UNITED KINGDOM  
 James, Arthur, Tyne and Wear, UNITED KINGDOM  
 PA Bio Merieux, Marcy l'Etoile, FRANCE (non-U.S. corporation)  
 PI US 7029886 B1 20060418  
 WO 2001030794 20010503  
 AI US 2000-111674 20001025 (10)  
 WO 2000-FR2971 20001025  
 20020726 PCT 371 date  
 PRAI FR 1999-13756 19991028  
 DT Utility  
 FS GRANTED  
 LN.CNT 1074  
 INCL INCLM: 435/183.000  
 NCL NCLM: 435/183.000  
 IC IPCI C12N0009-00 [I,A]  
 IPCR C12N0009-00 [I,A]; C12Q0001-06 [I,C\*]; C12Q0001-06 [I,A];  
 C07H0015-00 [I,C\*]; C07H0015-203 [I,A]; C07H0015-24 [I,A];  
 C07H0015-26 [I,A]; C07H0017-00 [I,C\*]; C07H0017-00 [I,A];  
 C07H0017-02 [I,A]; C07H0017-04 [I,A]; C12N0009-00 [I,C];  
 C12Q0001-25 [I,C\*]; C12Q0001-25 [I,A]; C12Q0001-34 [I,C\*];  
 C12Q0001-34 [I,A]  
 EXF 435/34; 435/183  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 4 USPATFULL on STN

AN 2006:3879 USPATFULL  
 TI One-step enzymatic and amine detection technique  
 IN Song, Xuedong, Roswell, GA, UNITED STATES  
 Boga, RameshBabu, Roswell, GA, UNITED STATES  
 Chidebelu-Eze, Chibueze Obi, Atlanta, GA, UNITED STATES  
 PA Kimberly-Clark Worldwide, Inc. (U.S. corporation)  
 PI US 2006003336 A1 20060105  
 AI US 2004-881010 A1 20040630 (10)  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1794  
 INCL INCLM: 435/006.000  
 INCLS: 435/007.920; 435/023.000  
 NCL NCLM: 435/006.000  
 NCLS: 435/007.920; 435/023.000  
 IC IPCI C12Q0001-68 [I,A]; G01N0033-573 [I,A]; G01N0033-53 [I,A]  
 IPCR C12Q0001-68 [I,A]; C12Q0001-04 [I,C\*]; C12Q0001-04 [I,A];  
 C12Q0001-68 [I,C]; G01N0033-53 [I,C]; G01N0033-53 [I,A];  
 G01N0033-558 [I,C\*]; G01N0033-558 [I,A]; G01N0033-573 [I,C];  
 G01N0033-573 [I,A]  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 4 USPATFULL on STN

AN 2005:130627 USPATFULL  
 TI Odor controlling article including a visual indicating device for  
 monitoring odor absorption  
 IN MacDonald, John Gavin, Decatur, GA, UNITED STATES  
 Boga, RameshBabu, Roswell, GA, UNITED STATES  
 Kim, Jaeho, Roswell, GA, UNITED STATES  
 Do, Bao Trong, Decatur, GA, UNITED STATES  
 Kuznetsov, Irene, Lawrenceville, GA, UNITED STATES  
 PA Kimberly-Clark Worldwide, Inc. (U.S. corporation)  
 PI US 2005112085 A1 20050526  
 AI US 2003-687269 A1 20031016 (10)  
 DT Utility  
 FS APPLICATION

LN.CNT 827  
INCL INCLM: 424/076.100  
NCL NCLM: 424/076.100  
IC [7]  
ICM A61L009-01  
IPCI A61L0009-01 [ICM,7]  
IPCR A61F0013-15 [I,C\*]; A61F0013-15 [I,A]; A61F0013-42 [I,C\*];  
A61F0013-42 [I,A]; A61L0009-01 [I,C\*]; A61L0009-01 [I,A];  
A61L0009-014 [I,A]; A61L0015-16 [I,C\*]; A61L0015-46 [I,A];  
A61L0015-56 [I,A]; G01N0031-22 [I,C\*]; G01N0031-22 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 4 USPATFULL on STN  
AN 2005:99061 USPATFULL  
TI Method and device for detecting ammonia odors and helicobacter  
pylori urease infection  
IN Boga, RameshBabu, Roswell, GA, UNITED STATES  
MacDonald, John Gavin, Decatur, GA, UNITED STATES  
PA Kimberly-Clark Worldwide, Inc. (U.S. corporation)  
PI US 2005084977 A1 20050421  
AI US 2003-687327 A1 20031016 (10)  
DT Utility  
FS APPLICATION

LN.CNT 589  
INCL INCLM: 436/113.000  
NCL NCLM: 436/113.000  
IC [7]  
ICM G01N033-53  
ICS G01N033-00  
IPCI G01N0033-53 [ICM,7]; G01N0033-00 [ICS,7]  
IPCR G01N0031-22 [I,C\*]; G01N0031-22 [I,A]; G01N0033-483 [I,C\*];  
G01N0033-497 [I,A]; G01N0033-569 [I,C\*]; G01N0033-569 [I,A]  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

=>